

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Koichi KIMOTSUKI, et al.

Serial No.

Group Art Unit:

Confirmation No.

Filed: February 19, 2002

Examiner:

For: WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION APPARATUS

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Before examination of same, please amend the above-identified application, as follows:

IN THE CLAIMS:

Please REPLACE claims 4 and 5 and ADD new claims 6-9, in accordance with the following:

4. (AS ONCE AMENDED HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 1, wherein

the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

5. (AS ONCE AMENDED HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 1, wherein

the light emitting means comprises a plurality of light sources, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the

plurality of light sources.

Please ADD the following claims:

6. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 2, wherein
the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and
the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

7. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 3, wherein
the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and
the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

8. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 2, wherein
the light emitting means comprises a plurality of light sources, and
the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.

9. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 3, wherein
the light emitting means comprises a plurality of light sources, and
the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.

REMARKS

This Preliminary Amendment is submitted to delete the multiple dependencies of the claims in the subject application. No new matter is presented. Approval and entry is respectfully requested.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: February 19, 2002

By: 

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND the following claims:

4. (ONCE AMENDED) A wavelength division multiplexing optical transmission apparatus as claimed in [any one of claims 1 to 3] claim 1, wherein
- the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and
- the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

5. (ONCE AMENDED) A wavelength division multiplexing optical transmission apparatus as claimed in [any one of claims 1 to 3] claim 1, wherein
- the light emitting means comprises a plurality of light sources, and
- the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.

Please ADD the following claims:

6. (NEW) A wavelength division multiplexing optical transmission apparatus as claimed in claim 2, wherein
- the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and
- the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.
7. (NEW) A wavelength division multiplexing optical transmission apparatus as claimed in claim 3, wherein
- the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port

at which the pilot signal is input, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

8. (NEW) A wavelength division multiplexing optical transmission apparatus as claimed in claim 2, wherein

the light emitting means comprises a plurality of light sources, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.

9. (NEW) A wavelength division multiplexing optical transmission apparatus as claimed in claim 3, wherein

the light emitting means comprises a plurality of light sources, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.